

COMMONWEALTH OF KENTUCKY  
BEFORE THE PUBLIC SERVICE COMMISSION

In the Matter of:

KENTUCKY UTILITIES COMPANY	)	
	)	
AND	)	
	)	
SOUTH CENTRAL RURAL TELEPHONE	)	CASE NO.
COOPERATIVE CORPORATION	)	90-257
	)	
	)	
	)	
_____	)	
	)	
ALLEGED FAILURE TO COMPLY	)	
WITH COMMISSION REGULATIONS	)	

ORDER TO SHOW CAUSE

Kentucky Utilities Company ("KU"), a Kentucky corporation engaged in the distribution of electricity to the public for light, heat, power, and other uses, is a utility under the jurisdiction of the Commission. KRS 278.010(3)(a).

South Central Rural Telephone Cooperative Corporation ("South Central RTCC"), a Kentucky corporation formed under KRS 279.310 to 279.600 and engaged in the transmission over wire of messages by telephone for the public for compensation, is a utility under the jurisdiction of the Commission. KRS 278.010(3)(e) and KRS 279.540.

KRS 278.280(2) directs the Commission to prescribe rules and regulations for the performance of services by utilities. Pursuant to this statutory directive, the Commission promulgated Commission Regulation 807 KAR 5:041, Section 3, which requires electric utilities to maintain their plants in accordance with the

standards of the National Electrical Safety Code (1987 edition), and Commission Regulation 807 KAR 5:061, Section 3, which requires telephone utilities to do likewise. The Commission also promulgated Commission Regulation 807 KAR 5:006, Section 24, which requires any utility, other than a natural gas utility, to submit a summary written report of any utility-related accident resulting in a serious injury within seven days of that accident.

Commission Staff has submitted to the Commission an Electrical Utility Accident Investigation Report dated July 19, 1990, attached hereto as Appendix A, which alleges:

1. On July 5, 1990, a moving van came into contact with a cable television conductor and communications conductor which overhung Washington Street in Munfordville, Kentucky. The tension on these conductors, once released, caused two secondary electric conductors to recoil and make contact with each other. This contact resulted in a shower of sparks and a blown transformer fuse. A passenger in the moving van, who claimed to be injured as a result of the incident, required medical treatment.

2. At the time of the incident, the secondary electric conductors overhanging Washington Street, which KU owns and maintains, failed to comply with the minimum vertical clearance standards for above-ground wires and conductors as established by National Electrical Safety Code Rule 232C1. The communications conductor in question, which South Central RTCC owns and maintains, also failed to comply with these standards.

3. South Central RTCC did not submit a written summary report of the incident within seven days of its occurrence.

4. KU probably violated Commission Regulation 807 KAR 5:041, Section 3, by failing to comply with the standards of the National Electrical Safety Code.

5. South Central RTCC probably violated Commission regulation 807 KAR 5:061, Section 3, by failing to comply with the standards of the National Electrical Safety Code.

6. South Central RTCC probably violated Commission Regulation 807 KAR 5:006, Section 24, by failing to file a written summary report of the incident within seven days of the incident.

WHEREFORE, the Commission, on its own motion, HEREBY ORDERS that:

1. KU and South Central RTCC shall each submit to the Commission a written response to the allegations contained in the Electrical Utility Accident Investigation Report within 20 days of the date of this Order.

2. KU and South Central RTCC shall appear on October 1, 1990 at 10:00 a.m., Eastern Daylight Time, in Hearing Room 1 of the Commission's offices at 730 Schenkel Lane, Frankfort, Kentucky, for the purposes of presenting evidence concerning the incident which is the subject of the Electrical Utility Accident Investigation Report, specifically the alleged violations of the Commission Regulations 807 KAR 5:006, Section 24, 807 KAR 5:041, Section 3, and 807 KAR 5:061, Section 3, and of showing cause, if any they can, why they should not be subject to the penalties of

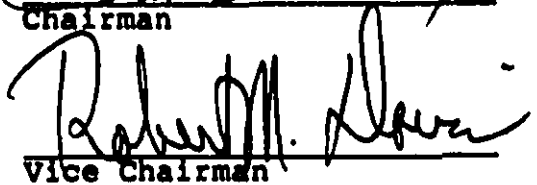
KRS 278.990 for their alleged failure to comply with Commission Regulations.

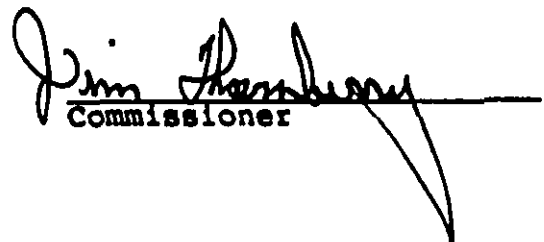
3. The Electrical Utility Accident Investigation Report dated July 19, 1990 is hereby made a part of the record of this case.

Done at Frankfort, Kentucky, this 17th day of September, 1990.

PUBLIC SERVICE COMMISSION

  
Chairman

  
Vice Chairman

  
Commissioner

ATTEST:

  
Executive Director

APPENDIX A  
APPENDIX TO AN ORDER OF THE KENTUCKY PUBLIC SERVICE  
COMMISSION IN CASE NO. 90-257 DATED 9/17/90

ELECTRICAL UTILITY ACCIDENT INVESTIGATION

DATE OF THIS REPORT 7/19/90 SUBMITTED BY James R. Johnson  
NAME OF UTILITY Kentucky Utilities Company  
ACCIDENT REPORTED BY Mr. Brian Dickey  
DATE & TIME UTILITY LEARNED OF ACCIDENT 11:45 A.M. 7/5/90  
DATE & TIME ACCIDENT REPORTED 7/6/90 10:47 A.M.  
DATE AND TIME ACCIDENT OCCURRED 7/5/90 approximately 11:40 A.M.  
DATE OF ACCIDENT INVESTIGATION 7/6/90  
DATE SUMMARY WRITTEN REPORT WAS RECEIVED FROM UTILITY 7/6/90  
PERSONS ASSISTING IN THE INVESTIGATION Mr. Mike Eastridge, KU and  
Ms. Martha Morton, PSC Staff.

NAME OF VICTIM(S) 1. Mike Blanton SEX M AGE 25  
FATAL No NAME OF EMPLOYER: A. Arnold & Son  
INJURIES Complained of numbness in face and feet and tightness  
in chest.

2. \_\_\_\_\_ SEX \_\_\_\_\_ AGE \_\_\_\_\_  
FATAL \_\_\_\_\_ NAME OF EMPLOYER: \_\_\_\_\_  
INJURIES \_\_\_\_\_

3. \_\_\_\_\_ SEX \_\_\_\_\_ AGE \_\_\_\_\_  
FATAL \_\_\_\_\_ NAME OF EMPLOYER: \_\_\_\_\_  
INJURIES \_\_\_\_\_

**ELECTRICAL UTILITY ACCIDENT INVESTIGATION (Continued)**

**LOCATION OF ACCIDENT SITE** 700 Block of Washington Street, Munford-  
ville, Kentucky.

**DESCRIPTION OF ACCIDENT** Truck moving furniture came into contact  
with telephone and TV cable putting tension on the wires and poles.  
When the cables slipped off the truck the tension was released on the  
telephone and TV cable causing the secondary conductors to recoil  
and make contact resulting in a shower of sparks and a blown trans-  
former fuse. Mr. Blanton claimed he was shocked while sitting in  
the truck cab.

**SOURCE OF INFORMATION** KU accident report.

**PROBABLE VIOLATIONS OF COMMISSION REGULATIONS** 807 KAR 5:061 Section  
3(1), Inadequate vertical clearance over road by communications con-  
ductors N.E.S.C. Table 232-1. 807 KAR 5:041 Section 3(1), Inadequate  
vertical clearance over road by electric supply line, 0 to 750V  
N.E.S.C. Table 232-1. Failure of South Central RTCC to provide a  
summary written report as required by 807 KAR 5:006 Section 24.

**RECOMMENDATIONS** That KU, South Central RTCC and Multi-Vision recon-  
struct their facilities to meet the minimum vertical clearance over a  
roadway as required by the N.E.S.C. Table 232-1. It is also recom-  
mended that the Commission consider action pursuant to KRS 278.990  
for the failure of KU and South Central RTCC to comply with Commission  
regulations.

### CORRECTIVE ACTION

**Page 3 of 4**

# LINE CLEARANCES

	<u>As Measured</u>	<u>Minimum Allowed by NESC</u>
A. AT POINT OF ACCIDENT	7,200V 25' +	20'
Phase conductor to ground elevation:	120V 20' 9" 120V 19' 3 1/2"	18'
Neutral conductor to ground elevation:	25'	18'
Communication conductors to ground elevation:	14' 4"	18'
Phase conductor to structure:	N/A	N/A
Neutral conductor to structure:	N/A	N/A
Communication conductor to structure:	N/A	N/A
B. AT LOWEST POINT OF SPAN	7,200V 24' 11"	20'
Phase conductor to ground elevation:	120V 18' 10" 120V 17' 3"	18'
Neutral conductor to ground elevation:	19' 10"	18'
Communication conductor to ground elevation:	TV 12' 8 1/2" Tel. 12' 3"	18'

C. SPAN LENGTH 238'

Date the line or facilities were constructed: 1961

Utility: Kentucky Utilities Company

Date: 7/6/90 Time 3:30 P.M.

Approximate temperature: 90 Degrees F

Measurements made by: James R. Johnson

Submitted by: 



Utility Companies

Kentucky Utilities Company  
Primary - Single Phase 7,200 V  
Secondary - 120-240 V

South Central Rural Telephone Cooperative  
25 pr.  
6 M. Strand

Multi-Vision  
P.O. Box 59  
Edmonton, Kentucky 42129  
Jackie Kingrey  
1-800-862-0211

Truck Owner

A. Arnold & Son  
2800 S. Wilson Road  
Elizabethtown, Kentucky  
(502) 737-7088

Mailing Address  
P.O. Box 848  
Radcliff, Kentucky 40159-0848  
Attn: Ms. Kim Mason

Truck

1978 International Harvester Corp.  
24 feet long, 13 feet high  
Company Number 96  
License Number 9EA163

Occupants of Truck

Mr. Gary Jones - Driver  
Mr. Mike Blanton  
Mr. Steve D. Williams

**ATTACHMENT NO. 1**

**ATTACHMENT NO. 2**

P. S. C. EMERGENCY REPORT FORM

DATE July 6, 1990 TIME 10:47

COMPANY KENTUCKY UTILITIES

PERSON MAKING CALL: NAME BRIAN DICKEY

TITLE \_\_\_\_\_

ADDRESS \_\_\_\_\_

PHONE 606 255-2100

LOCATION OF OCCURRENCE HORSE CREEK KENTUCKY

TIME OF OCCURRENCE JULY 5, 1990, BETWEEN 1-5 PM

DESCRIPTION OF OCCURRENCE: DEATHS: YES \_\_\_\_\_ NO \_\_\_\_\_

INJURIES: YES ✓ NO \_\_\_\_\_

ESTIMATED COST OF DAMAGE \$ \_\_\_\_\_

CAUSE AND DESCRIPTION A moving van (A. Arnold & Sons) struck a low hanging cable tv wire, caused pole to jar, secondary flipped into primary, "caused quite an arc", 1 person in van (Mike Blanton, 25 yrs. old) claimed to have been ~~shocked~~ ON NORMAL SERVICE shocked, visited doctor, no signs of burns, but claimed numbness, told by doctor to stay home for two days.

CORRECTIVE ACTIONS TAKEN Mr. Dickey plans to go down Monday, July 9, to perform complete investigation. Told him not sure if we would, might not know until morning. If so, co-ordinate with Jim Brackney at MU, 255-2110

TIME OF RESUMPTION OF NORMAL SERVICE \_\_\_\_\_

SIGNED Marshall M. Martin

TITLE \_\_\_\_\_

DATE July 6 19 90

**ATTACHMENT NO. 3**

P

# REPORT OF PUBLIC OR GENERAL LIABILITY ACCIDENT

Personal injury or property damage  
FORM 100 NOV 12-77

Kentucky Utilities Co.

110 Guthrie St.

Horse Cave, Ky. 42749

Claim No.

Co. Claim No.

## TIME AND PLACE OF ACCIDENT

Date July 5 1990 Time 11:40AM Location Woodland & Washinton St.  
City Munfordville State Ky.

## PERSON INJURED

Name Mike Blanton Age 25 Married \_\_\_\_\_ Ages of Children \_\_\_\_\_  
Address Jones Av. Radcliff Ky Phone \_\_\_\_\_  
Occupation Furniture Mover Employer A. Arnold & Son  
Nature and extent of injuries Feet & Face were numb, tightness of chest  
Injured taken to Munfordville Clinic Name of physician James Middleton

## PUBLIC PROPERTY DAMAGED

Owner's Name \_\_\_\_\_ Address \_\_\_\_\_  
Description of Property Damaged \_\_\_\_\_  
Nature and Extent of Damages \_\_\_\_\_  
Estimated Cost to Repair or Replace \_\_\_\_\_

## ACCIDENT

How did the accident happen? (Give full details, describing equipment or other property involved and nature of work being done.)  
An A. Arnold & Son truck struck cable TV & telephone lines  
that were 12 ft. 6 inches above the ground. The tension on  
their lines caused our secondary conductors to flop together,  
causing the transformer fuse to blow. Height of our secondary  
conductors is 18 ft. 2 inches. The height of the truck is 13 ft..  
Mr. Blanton, one of three riders in the truck, reported  
that he received an electrical shock that required medical  
attention. A. Arnold & Son Driver--Gary Jones  
2800 S. Wilson Rd. Truck No. 96  
Elizabethtown, Ky. License No. 9EA 163

## WITNESS OR PERSONS PRESENT

Name	Address	Phone
1.		
2.		
3.		

Report Made By JERRY CARTER Date 7-5-90

Report Approved By McArthur Date 7-6-90

**ATTACHMENT NO. 4**

## PREVENTIVE MAINTENANCE WORK SHEET & REPORT

TOWN Horse Cay ZONE 2 SEGMENT B  
SERVICE TECH. S. Brown DATE 5-2-90 HOURS WORKED 4  
INSPECTION AND REPAIR PROCEDURES: Perform a thorough walking inspection of all poles, crossarms, hardware, transformers, pri. and sec. spans, st. lights, services, serv. entrances and meters. Perform all repairs necessary to place system in good operating condition. Prepare RO's for all repairs not completed during date of inspection. Mark "PM".

## WORK SHEET

[illegible]



# PREVENTIVE MAINTENANCE WORK SHEET & REPORT

OWN Horse Carr ZONE 2-B SEGMENT  
 SERVICE TECH. S. Brown DATE 5-7-90 HOURS WORKED 5-7-90  
 INSPECTION AND REPAIR PROCEDURES: Perform a thorough walking inspection of all poles, crossarms, hardware, transformers, pri. and sec. spans, st. lights, services, serv. entrances and meters. Perform all repairs necessary to place system in good operating condition. Prepare RO's for all repairs not completed during date of inspection. Mark "PM".

REPORT

WORK SHEET

REPAIRS NEEDED	LOCATION	COMPLETED	R. ORDER
Poles replaced			
Poles to be set			
Crossarms replaced			
Down guys tightened			
Down guy guard			
Anchors replaced			
UG Anc. eyes repaired			
Ground wire repaired			
Pri. spans trimmed			
Lgt. arr. & cutouts			
Trans. leads cleared			
Other pri. repairs			
Trans. load checks			
Padmount trans. insp.			
Trans. replaced			
Sec. resagged			
Sec. replaced			
Sec. trimmed			
Sec. voltage checks			
Sec. guards inst.			
Min. vert. clearance			
Tel & t.v. clearance			
Ser. replaced			
Idle ser. removed			
Ser. relocated			
Ser. resagged			
Ser. trimmed			
Connections repaired			
House knobs replaced			
Meter bases repaired			
Meter bases replaced			
Meters replaced			
St. lgts/COL trimmed			
St. lgts/COL repaired			
R/W Encl. reported			
Lines patrolled			
Remarks:	<p>Walter Lane Powell Rider Sub Dir</p> <p>Part of North West St Washington</p> <p>St &amp; Buchanan</p>		

RECEIVED

JUL 16 1990

DIVISION OF UTILITY  
ENGINEERING & SERVICES

Scheduled \_\_\_\_\_ Date \_\_\_\_\_

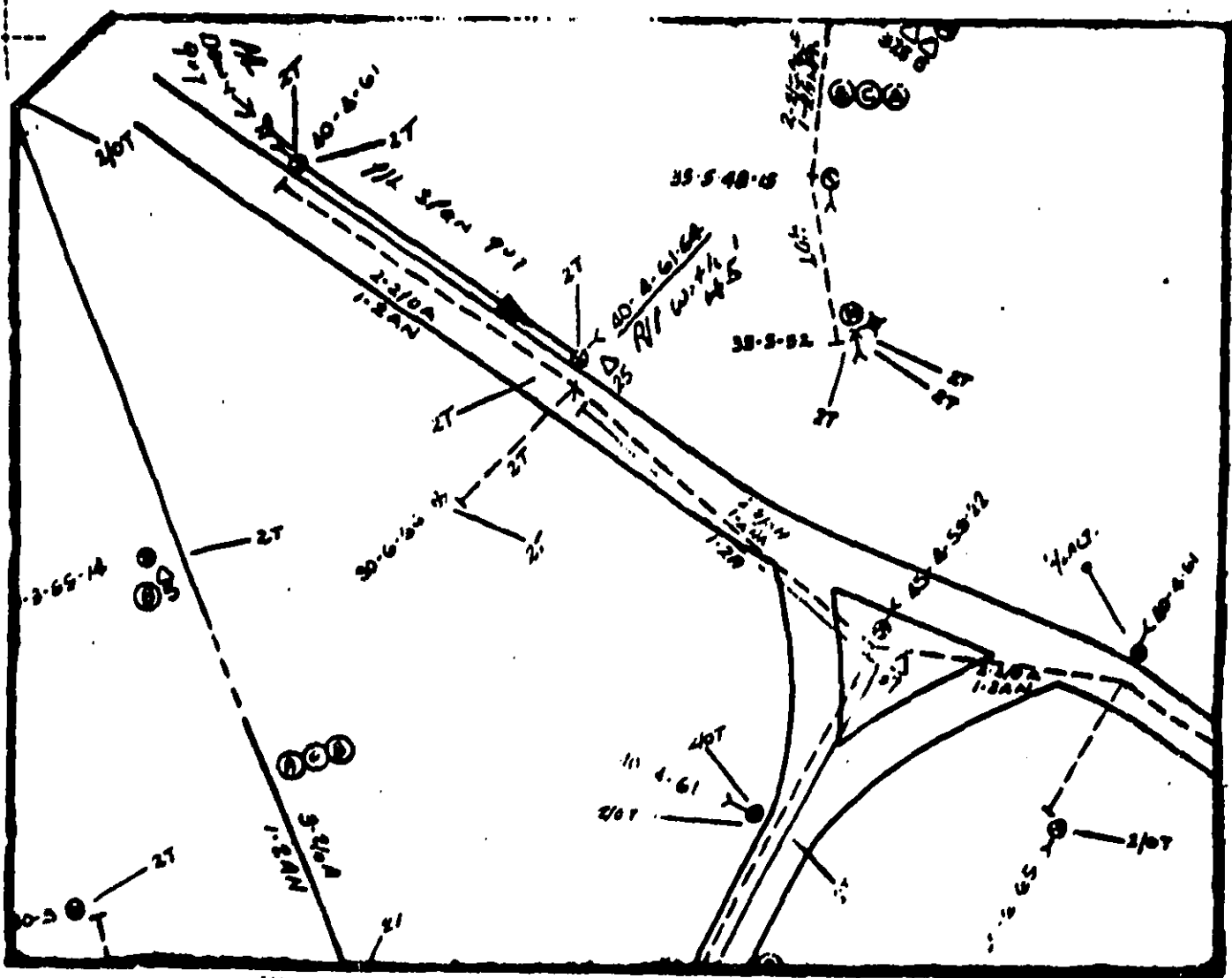
## ROUTINE ORDER

GEO. CODE GFET-JTT# 245-5-9B

Date 5-9-90 Tax District MY-11  
 District E. Town Town Horse Cave Charge To \_\_\_\_\_ POL 1  
 Map Murderkill Base Map 15 Detail/Sub R LV PM 1

Location of Work North End of Washington St. MurderkillReason Needed low clearance over st.Description of Work RIP 40' pole with 45' x 40' Span 9x1

Easement Sec. & Recorded [ ] by \_\_\_\_\_ date \_\_\_\_\_ Eas. Not Req. [ 1 ]  
 Other Utility Contact Req. [ ]



Job Comments/7 days \_\_\_\_\_ NC

Submitted by S. Brown Requested Completion Date \_\_\_\_\_  
 Approved by \_\_\_\_\_ Est. M. Hours 8 Actual Hours \_\_\_\_\_  
 Contractor/Crew Used \_\_\_\_\_

**ATTACHMENT NO. 5**

## PLANT INSPECTION REPORT

RECEIVED

DATE: 3-21-90

JUL 12 1990

DIVISION OF UTILITY  
ENGINEERING & SERVICES

EXCHANGE	ROUTE	POLE SIZE	CONDITION		ROAD CLEARANCE	INSPECTED BY
			GOOD	BAD		
524	B12L-10	KU	✓			LR
11	B12L-11	KU	✓			LR
11	B 13	<del>MAF 102</del>			WRITE SHEET	LR
11	B 14	<del>MAF 102</del> 45-4	✓			LR
11	B 15	<del>MAF 102</del> 40-4	✓			LR
11	B 16	KU	✓			LR
11	B16R 1	KU	✓			LR
11	B16R 2	KU	✓			LR
11	B16R2L-1	KU	✓			LR
11	B16R2L-2	KU	✓			LR
11	B16R 3	KU	✓			LR
11	B16R 4	KU	✓			LR
11	B16R 5	KU	✓			LR
4	B 17	KU	✓			LR
11	B 18	KU	✓			LR
11	B 19	KU	✓			LR
11	B19R 1	KU	✓			LR
11	B19R 2	KU	✓			LR
11	B19R 3	KU	✓			LR
11	B19R 4	KU	✓			LR
11	B19R 5	KU	✓			LR
11	B19R 6	KU	✓			LR
11	B 20	<del>30-4</del>				LR

4861

SCATC

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